

tional Application No PCT/EP2004/005513

# A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01R33/3873

According to International Patent Classification (IPC) or to both national classification and IPC

Minimum documentation searched (classification system followed by classification symbols)  $\begin{tabular}{ll} FC & 7 & GO1R \end{tabular}$ 

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### INTERNATIONAL SEARCH REPORT

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#### INTERNATIONAL SEARCH REPORT

nternational application No.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

This invention relates to a static magnetic field generating device in a MRI equipment, comprising an additional shimming ring on the external edge of the first shimming ring whereby the distance between the first shimming ring and the additional shimming ring is adjustable in the direction parallel to the static magnetic field such as to improve the field homogeneity of the static magnetic field; a per-manent magnetic source composed of a plurality of permanent magnetic columns with different magnetic energy levels wherein the magnetic energy levels of the external columns are higher than the magnetic energy levels of the columns which are located closer to the center of the respective pole; a plurality of magnetic inducing bolts or permanent magnetic bolts; the second shimming ring, the permanent magnetic source and the magnetic inducing bolts or permanent magnetic bolts could be applied jointly.